

## Sheet 1 of 6

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application Number	10/597,914
	Filing Date	August 3, 2007
	First Named Inventor	Tripet et al.
	Art Unit	1646
	Examiner Name	Peng, Bo
	Attorney Docket Number	6-04

Confirmation No. 7833

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**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number (US-)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)
	1	6,602,504	08/05/2003	Miller et al.	
	2	6,518,013	02/11/2003	Barney et al.	
	3	6,541,020	04/01/2003	Ding et al.	
	4	6,054,265	04/25/2000	Barney et al.	
	5	6,020,456	02/01/2000	Barney et al.	
	6	5,969,094	10/19/1999	Compans et al.	
	7	5,464,933	11/07/1995	Bolognesi et al.	
	8	2004/0009942	01/15/2004	Van Nest	
	9	2004/0009245	01/15/2004	Vail, III et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Number (include WIPO country code )	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)	T <sup>2</sup>
	10	WO 04/005476	01/15/2004	Krieg		
	11	WO 03/101173	12/11/2003	Fraser		
	12	WO 02/092827	11/21/2002	Rottier et al.		
	13	WO 98/49195	11/05/1998	Rottier		
	14	EP 1 059 354	12/13/2000	Alexandrov et al.		

**NON-PATENT LITERATURE DOCUMENTS**

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	15	American Peptide Society (2001) "Peptides: The Wave of the Future," Proceedings of the 2 <sup>nd</sup> International Peptide Symposium in Conjunction with the 17 <sup>th</sup> American Peptide Symposium, June 9-14, 2001, San Diego, California, Co-Chairs: Drs. Richard A Houghten and Michal Lebl.  (See entire document including several articles by Robert S. Hodges or Brian Tripet.)	

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## Sheet 2 of 6

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	16	Baker et al. (Mar. 1999) "Structural Basis for Paramyxovirus-Mediated Membrane Fusion," <i>Mol. Cell.</i> 3:309-319	
	17	Bewley et al. (Apr. 19, 2002) "Design of a Novel Peptide Inhibitor of HIV Fusion That Disrupts the Internal Trimeric Coiled-Coil of gp41," <i>J. Biol. Chem.</i> 277(16):14238-14245	
	18	Bos et al. (Dec. 20, 1995) "Mutational Analysis of the Murine Coronavirus Spike Protein: Effect on Cell-to-Cell Fusion," <i>Virol.</i> 214(2):453-463	
	19	Bosch et al. (2003) "The Coronavirus Spike Protein is a Class I Virus Fusion Protein: Structural and Functional Characterization of the Fusion Core Complex," <i>J. Virol.</i> 77(16):8801-8811	
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	22	Carr et al. (1997) "Influenza Hemagglutinin is Spring-Loaded by a Metastable Native Conformation," <i>Proc. Nat. Acad. Sci. USA</i> 94:14306-14313	
	23	Cavanagh et al. (1986) "Coronavirus IBV: Virus Retaining Spike Glycopolypeptide S2 but not S1 is Unstable to Induce Virus-Neutralizing or Haemagglutination-Inhibiting Antibody, or Induce Chicken Tracheal Protection," <i>J. Gen. Viro.</i> 67(7):1435-1442	
	24	Chan et al. (Apr. 18, 1997) "Core Structure of gp41 from the HIV Envelope Glycoprotein," <i>Cell</i> 89:263-273	
	25	Chen et al. (Mar. 2001) "The Structure of the Fusion Glycoprotein of Newcastle Disease Virus Suggests a Novel Paradigm for the Molecular Mechanism of Membrane Fusion," <i>Struct.</i> 9:255-266	
	26	De Groot (Aug. 1989) "Stability Expressed FIPV Peplomer Protein Induces Cell Fusion and Elicits Neutralizing Antibodies in Mice," <i>Virol.</i> 171(2):493-502	
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	28	Drosten et al. (2003) "Identification of a Novel Coronavirus in Patients with Severe Acute Respiratory Syndrome," <i>New Eng. J. Med.</i> 348:1967-1976	
	29	El-Sahly et al. (2000) "Spectrum of Clinical Illness in Hospitalized Patients with "Common Cold" Virus Infections," <i>Clin. Infect. Dis.</i> 31:96-100	
	30	Fass et al. (1996) "Retrovirus Envelope Domain at 1.7 Å Resolution," <i>Nat. Struct. Biol.</i> 3:465-469	
	31	Folz et al. (1999) "Coronavirus Pneumonia Following Autologous Bone Marrow Transplantation for Breast Cancer," <i>Chest</i> 115:901-905	
	32	Frana et al. (Dec. 1985) "Proteolytic Cleavage of the E2 Glycoprotein of Murine Coronavirus: Host-Dependent Differences in Proteolytic Cleavage and Cell Fusion," <i>J. Virol.</i> 56(3):912-920	
	33	Ghosh et al. (Oct. 16, 1998) "Structure-Function Study of a Heptad Repeat Positioned	

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		Near the Transmembrane Domain of Sendai Virus Fusion Protein Which Blocks Virus-Cell Fusion," <i>J. Biol. Chem.</i> 273(42):27182-27190	
	34	Gibbons et al. (Sep. 2000) "Formation and Characterization of the Trimeric Form of the Fusion Protein of Semliki Forest Virus," <i>J. Virol.</i> 74(17):7772-7780	
	35	Goodman et al. (1995) "Peptidomimetics for Drug Design," In: <i>Burger's Medicinal Chemistry and Drug Discovery</i> , Wolff, M.E. Ed., 5 <sup>th</sup> ed., Vol. 1 Principal and Practice, John Wiley and Sons, Inc., pp. 803-861	
	36	Guan et al. (2003) "Isolation and Characterization of Viruses Related to the SARS Coronavirus from Animals in Southern China," <i>Science</i> 302:276-278	
	37	Harbury et al. (Nov. 1993) "A Switch Between Two-, Three-, and Four-Stranded Coiled Coils in GCN4 Leucine Zipper Mutants," <i>Science</i> 262:1401-1407	
	38	Holmes, K.V. (2001) "Coronaviruses," In; <i>Fields Virology</i> , Knipe et al. Eds., 4 <sup>th</sup> ed., Lippincott Williams and Wilkins, Philadelphia, pp. 1187-1203	
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	41	Houston et al. (1996) "Lactam Bridge Stabilization of Alpha-Helices: The Role of Hydrophobicity in Controlling Dimeric Versus Monomeric Alpha-Helices," <i>Biochem.</i> 35(31):10041-10050	
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	44	Khon et al. (Nov. 13, 1998) "Orientation, Positional, Additivity, and Oligomerization-State Effects of Interhelical Ion Pairs in Alpha-Helical Coiled-Coils," <i>J. Mol. Biol.</i> 283(5):993-1012	
	45	Kieber-Emmons et al. (1997) "Therapeutic Peptides and Peptidomimetics," <i>Curr. Opin. Biotechnol.</i> 8:435-441	
	46	Kliger et al. (Sep. 21, 2003) "Cloaked Similarity Between HIV-1 and SARS CoV Suggests an Anti-Sars Strategy," <i>BMC Microbiol.</i> 3(1):20	
	47	Kobe et al. (1999) "Crystal Structure of Human T Cell Leukemia Virus Type 1 gp21 Ectodomain Crystallized as a Maltose-Binding Protein Chimera Reveals Structural Evolution of Retroviral Transmembrane Proteins," <i>Proc. Nat. Acad. Sci. USA</i> 96:4319-4324	
	48	Ksiazek et al. (2003) "A Novel Coronavirus Associated with Severe Acute Respiratory Syndrome," <i>New Eng. J. Med.</i> 348:1953-1966	
	49	Luo et al. (May 10, 1998) "Roles in Cell-to Cell Fusion of Two Conserved Hydrophobic Regions in the Murine Coronavirus Spike Protein," <i>Virol.</i> 244(2):483-494	
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		the Murine Coronavirus Spike Protein Cause Defects in Oligomerization and the Ability to Induce Cell-to-Cell Fusion," <i>J. Virol.</i> 73(10):8152-8159	
	51	Malashkevich et al. (1998) "Crystal Structure of the Simian Immunodeficiency Virus (SIV) gp41 Core: Conserved Helical Interactions Underlie the Broad Inhibitory Activity of gp41 Peptides," <i>Proc. Nat. Acad. Sci. USA</i> 95:9134-9139	
	52	Malashkevich et al. (1999) "Core Structure of the Envelope Glycoprotein GP2 from Ebola Virus at 1.9-Å Resolution," <i>Proc. Nat. Acad. Sci. USA</i> 96:2662-2667	
	53	Marshall et al. (Feb. 2004) "Caution Urged on SARS Vaccines," <i>Science</i> 303:944-946	
	54	Martina et al. (Oct. 30, 2003) "SARS Virus Infection of Cats and Ferrets," <i>Nature</i> 425:915-	
	55	Mathews et al. (Jul. 2000) "The Core of the Respiratory Syncytial Virus Fusion Protein Is a Trimeric Coiled Coil," <i>J. Virol.</i> 74(13):5911-5920	
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	57	McIntosh, K. (1974) "Coronaviruses: A Comparative Review," <i>Curr. Top. Microbiol. Immunol.</i> 63:85-129	
	58	Medinas et al. (Sep. 2002) "C-Terminal gp40 Peptide Analogs Inhibit Feline Immunodeficiency Virus: Cell Fusion and Virus Spread," <i>J. Virol.</i> 76(18):9079-9086	
	59	Pace , C.N. (1986) "Determination and Analysis of Urea and Guanidine Hydrochloride Denaturation Curves," <i>Meth. Enzymol.</i> 131:266-280	
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	61	Pilcher et al. (Feb. 2003) "Entry Inhibitors, The How and Why of New Agents at Retrovirus: an Update," 10 <sup>th</sup> Conference on Retroviruses and Opportunistic Infections, Boston, Mass. Feb. 10-14	
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		Membrane Fusion," <i>Cell</i> 95(7):871-874	
	69	Spaan et al. (1988) "Coronaviruses: Structure and Genome Expression," <i>J. Gen. Virol.</i> 69(12):2939-2952	
	70	Sturman et al. (Dec. 1985) "Proteolytic Cleavage of the E2 Glycoprotein of Murine Coronavirus: Activation of Cell-Fusing Activity of Virions by Trypsin and Separation of Two Different 90K Cleavage Fragments," <i>J. Virol.</i> 56(3):904-911	
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	72	Taguchi, F. (Nov. 1995) "The S2 Subunit of the Murine Coronavirus Spike Protein Is Not Involved in Receptor Binding," <i>J. Virol.</i> 69(11):7260-7263	
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	74	Tan et al. (1997) "Atomic Structure of a Thermostable Subdomain of HIV-1 gp41," <i>Proc. Nat. Acad. Sci. USA</i> 94:12303-12308	
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	86	Yan et al. (2006) "Biophysical Characterization of HRC Peptide Analogs Interaction with Heptad Repeat Regions of the SARS-Coronavirus Spike Fusion Protein Core,"	
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	92	Zelus et al. (Sep. 1998) "Purified, Soluble Recombinant Mouse Hepatitis Virus Receptor, Bgp1 <sup>b</sup> , and Bgp2 Murine Coronavirus Receptors Differ in Mouse Hepatitis Virus Binding and Neutralizing Activities," <i>J. Virol.</i> 72(9):7237-7244	
	93	Zelus et al. (Jan. 2003) "Conformational Changes in the Spike Glycoprotein of Murine Coronavirus Are Induced at 37°C Either by Soluble Murine CEACAM1 Receptors or by pH 8," <i>J. Virol.</i> 77(2):830-840	
	94	Zhao et al. (2000) "Structural Characterization of the Human Respiratory Syncytial Virus Fusion Protein Core," <i>Proc. Nat. Acad. Sci. USA</i> 97:14172-14177	
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	96	Zhou et al. (1992) "The Two-Stranded α-Helical Coiled-Coil is an Ideal Model for Studying Protein Stability and Subunit Interactions," <i>Biopolymers</i> 32:419-426	
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